



NASA's Space Launch System:

Affordability *for* Sustainability

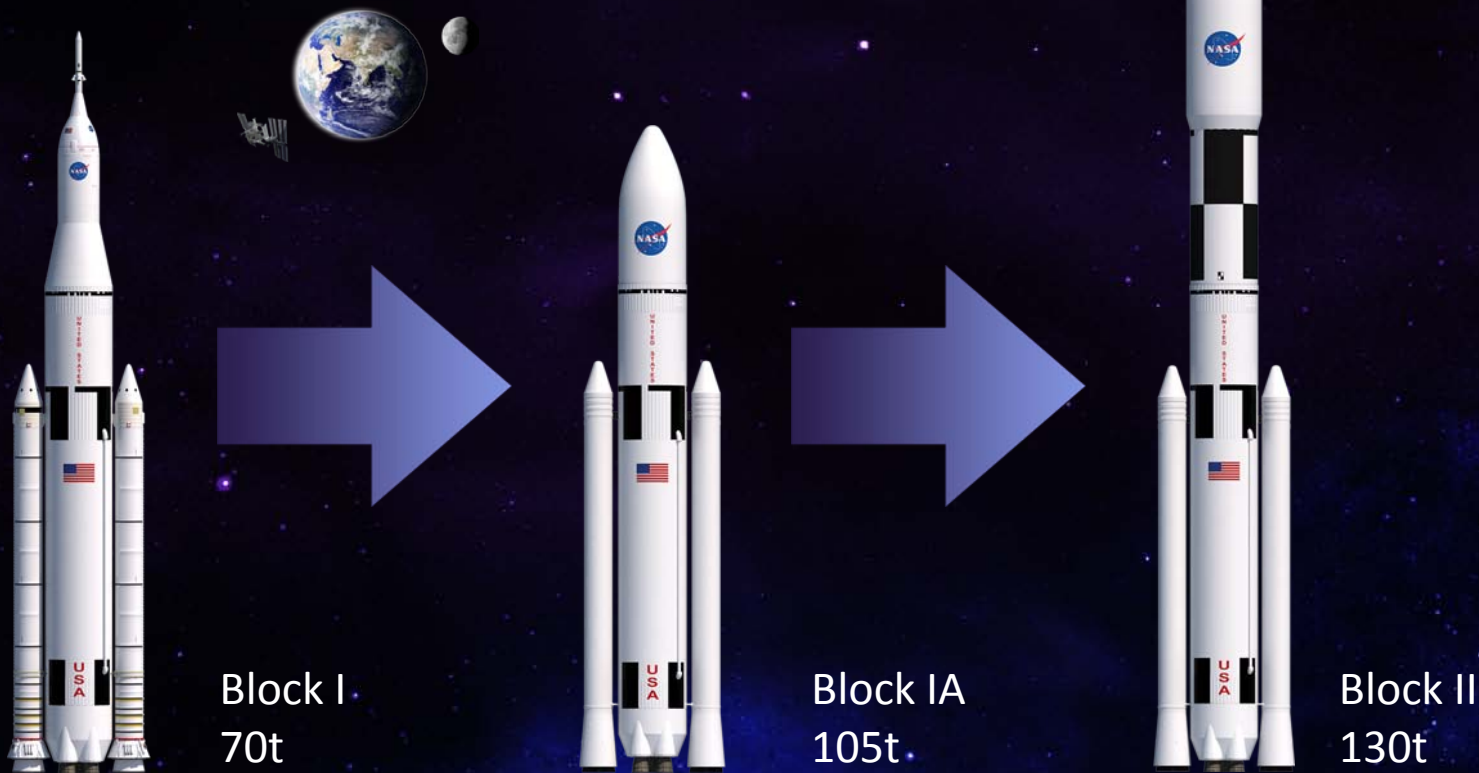
Stephen D. Creech, Strategic Development Manager
Space Launch System Program
NASA Marshall Space Flight Center

space launch system

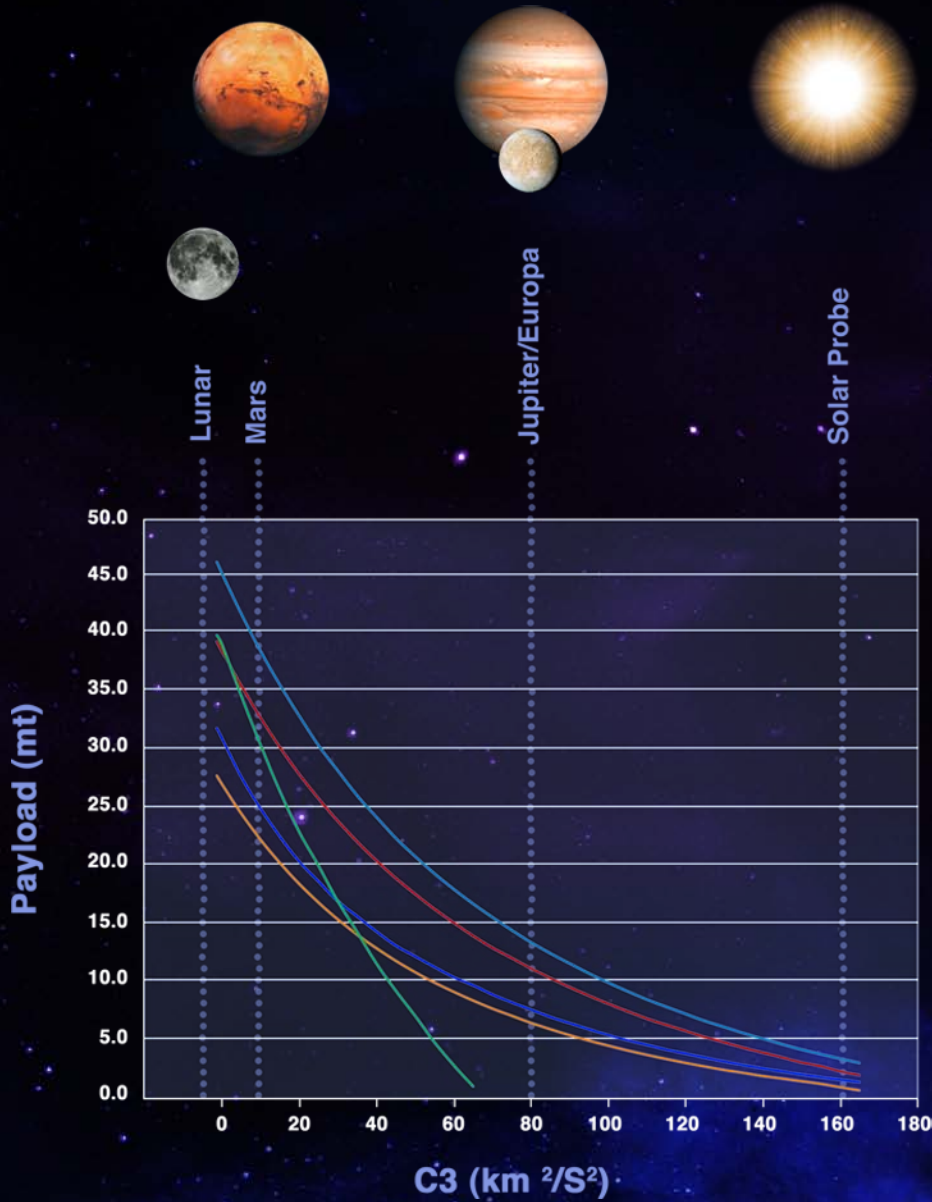


- NASA's Space Launch System (SLS) will be the most powerful rocket ever built.
- This heavy-lift rocket will take astronauts and high-priority science payloads beyond the moon to new destinations, such as an asteroid and Mars.
- The SLS rocket will be an asset for international cooperation and help create opportunities to enrich the future for people around the world.

National Aeronautics and
Space Administration

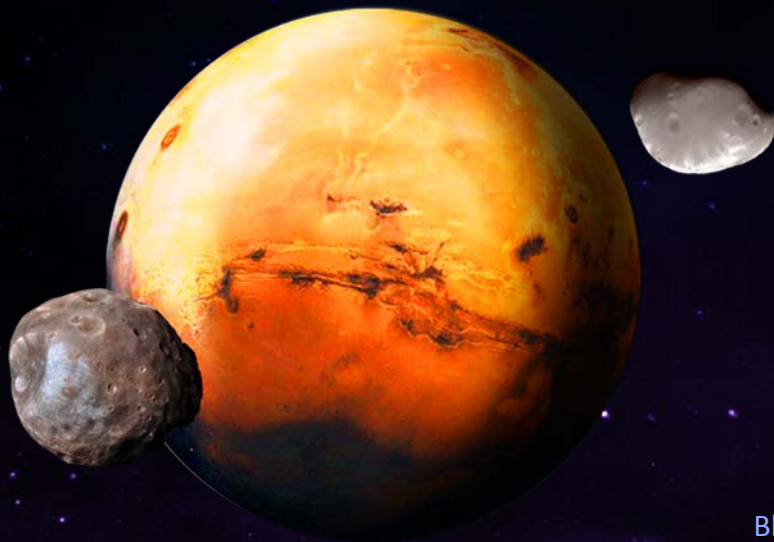


Vehicle Configuration



Mission Performance

space launch system



Block IA

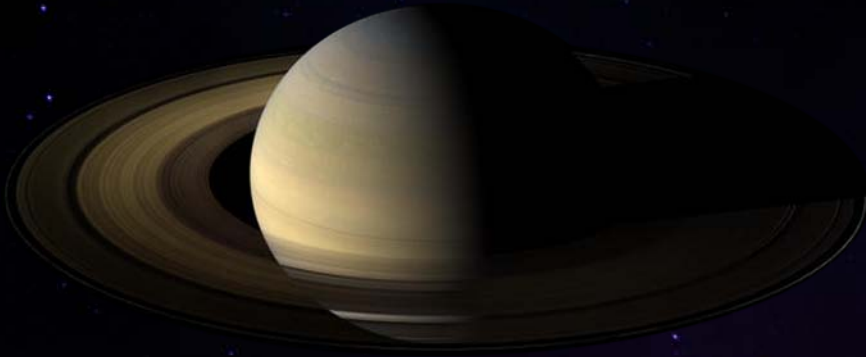
Block II



	SLS
Usable Volume (m³)	1104
LEO Payload (mt)	70 / 105 / 130
Liftoff Thrust (MN)	36.87

Payload / Shroud

space launch system



Performance = Higher Payload Margins



Performance = Significantly Faster Trip Times



Performance = Less Complex Mechanisms



Volume = Fewer Deployments and On-Orbit Operations

Safe, Affordable, Sustainable